



RAW SEQUENCE LISTING ERROR REPORT

TECH CENTER 1600/2900

AUG 27 2002

RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/613,006
Source: 1600
Date Processed by STIC: 8/22/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

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Does Not Comply
Corrected Diskette Needed

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/613,006

DATE: 08/22/2002
TIME: 15:12:18

Errors on pp. 3+5

Input Set : A:\52949-20001.00.txt
Output Set: N:\CRF4\08222002\I613006.raw

DATE: 08/22/2002
TIME: 15:12:18

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4 <110> APPLICANT: Schena, Mark A.
6 <120> TITLE OF INVENTION: MICROARRAY METHOD OF GENOTYPING MU
7 SAMPLES AT MULTIPLE LOCI
9 <130> FILE REFERENCE: 529492000100
11 <140> CURRENT APPLICATION NUMBER: US 09/613,006
12 <141> CURRENT FILING DATE: 2000-07-10
14 <160> NUMBER OF SEQ ID NOS: 30
16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 20
20 <212> TYPE: DNA
21 <213> ORGANISM: Homo sapiens
23 <220> FEATURE:
24 <221> NAME/KEY: misc_feature
25 <222> LOCATION: 1
26 <223> OTHER INFORMATION: n = adenine with C6 modification
28 <400> SEQUENCE: 1
W--> 29 naacagacac catggtgac
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 20
33 <212> TYPE: DNA
34 <213> ORGANISM: Homo sapiens
36 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: 1
39 <223> OTHER INFORMATION: n = cytosine with a C6 modification
41 <400> SEQUENCE: 2
W--> 42 nccacagggc agtaacggca
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 20
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
49 <220> FEATURE:
50 <221> NAME/KEY: misc_feature
51 <222> LOCATION: 1
52 <223> OTHER INFORMATION: n = guanine with a C6 modification
54 <400> SEQUENCE: 3
W--> 55 ncaagggtgaa cgtggatgaa
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 20
59 <212> TYPE: DNA
60 <213> ORGANISM: Homo sapiens
62 <220> FEATURE:

RAW SEQUENCE LISTING

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63 <221> NAME/KEY: misc_feature
 64 <222> LOCATION: 1
 65 <223> OTHER INFORMATION: n = guanine with a C6 modification
 67 <400> SEQUENCE: 4
 W--> 68 ntaaccttga taccaacctg 20
 70 <210> SEQ ID NO: 5
 71 <211> LENGTH: 20
 72 <212> TYPE: DNA
 73 <213> ORGANISM: Homo sapiens
 75 <220> FEATURE:
 76 <221> NAME/KEY: misc_feature
 77 <222> LOCATION: 1
 78 <223> OTHER INFORMATION: n = cytosine with a C6 modification
 80 <400> SEQUENCE: 5
 W--> 81 ntggcaccat taaagaaaaat 20
 83 <210> SEQ ID NO: 6
 84 <211> LENGTH: 20
 85 <212> TYPE: DNA
 86 <213> ORGANISM: Homo sapiens
 88 <220> FEATURE:
 89 <221> NAME/KEY: misc_feature
 90 <222> LOCATION: 1
 91 <223> OTHER INFORMATION: n = thymine with a C6 modification
 93 <400> SEQUENCE: 6
 W--> 94 ntctgtatct atattcatca 20
 96 <210> SEQ ID NO: 7
 97 <211> LENGTH: 20
 98 <212> TYPE: DNA
 99 <213> ORGANISM: Homo sapiens
 101 <220> FEATURE:
 102 <221> NAME/KEY: misc_feature
 103 <222> LOCATION: 1
 104 <223> OTHER INFORMATION: n = thymine with a C6 modification
 106 <400> SEQUENCE: 7
 W--> 107 ngggctgttc taaccccccac 20
 109 <210> SEQ ID NO: 8
 110 <211> LENGTH: 20
 111 <212> TYPE: DNA
 112 <213> ORGANISM: Homo sapiens
 114 <220> FEATURE:
 115 <221> NAME/KEY: misc_feature
 116 <222> LOCATION: 1
 117 <223> OTHER INFORMATION: n = adenine with a C6 modification
 119 <400> SEQUENCE: 8
 W--> 120 nacccactgg agccccctgac 20
 122 <210> SEQ ID NO: 9
 123 <211> LENGTH: 20
 124 <212> TYPE: DNA
 125 <213> ORGANISM: Homo sapiens

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Input Set : A:\52949-20001.00.txt
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127 <220> FEATURE:
 128 <221> NAME/KEY: misc_feature
 129 <222> LOCATION: 1
 130 <223> OTHER INFORMATION: n = cytosine with a C6 modification
 132 <400> SEQUENCE: 9
 W--> 133 ncacaggatc agaggctggg 20
 135 <210> SEQ ID NO: 10
 136 <211> LENGTH: 20
 137 <212> TYPE: DNA
 138 <213> ORGANISM: Homo sapiens
 140 <220> FEATURE:
 141 <221> NAME/KEY: misc_feature
 142 <222> LOCATION: 1
 143 <223> OTHER INFORMATION: n = guanine with a C6 modification
 145 <400> SEQUENCE: 10
 W--> 146 ngttagtaatg agcgtgcagc 20
 148 <210> SEQ ID NO: 11
 149 <211> LENGTH: 15
 150 <212> TYPE: DNA
 151 <213> ORGANISM: Homo sapiens
 153 <220> FEATURE:
 154 <221> NAME/KEY: misc_feature
 155 <222> LOCATION: 1
 156 <223> OTHER INFORMATION: n = guanine with a Cy3 label
 158 <221> NAME/KEY: variation
 159 <222> LOCATION: 9
 160 <223> OTHER INFORMATION: n = a or t
 W--> 162 <400> 11
 W--> 163 nactcctgng gagaa 15
 165 <210> SEQ ID NO: 12
 166 <211> LENGTH: 15
 167 <212> TYPE: DNA
 168 <213> ORGANISM: Homo sapiens
 170 <220> FEATURE:
 171 <221> NAME/KEY: misc_feature
 172 <222> LOCATION: 1
 173 <223> OTHER INFORMATION: n = guanine with Cy5 labels
 175 <400> SEQUENCE: 12
 W--> 176 nactcctang gagaa 15
 178 <210> SEQ ID NO: 13
 179 <211> LENGTH: 15
 180 <212> TYPE: DNA
 181 <213> ORGANISM: Homo sapiens
 183 <220> FEATURE:
 184 <221> NAME/KEY: misc_feature
 185 <222> LOCATION: 1
 186 <223> OTHER INFORMATION: n = thymine attached to a Cy5 label
 188 <400> SEQUENCE: 13
 W--> 189 nggtgggtgag gccct 15

↑ n also found at location 9

RAW SEQUENCE LISTING

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Input Set : A:\52949-20001.00.txt

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191 <210> SEQ ID NO: 14
192 <211> LENGTH: 15
193 <212> TYPE: DNA
194 <213> ORGANISM: Homo sapiens
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
198 <222> LOCATION: 1
199 <223> OTHER INFORMATION: n = thymine attached to a Cy3 label
201 <400> SEQUENCE: 14

W--> 202 **nggtggtaag gccct** 15

204 <210> SEQ ID NO: 15
205 <211> LENGTH: 15
206 <212> TYPE: DNA
207 <213> ORGANISM: Homo sapiens
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: 1
212 <223> OTHER INFORMATION: n = adenine attached to Cy3
214 <400> SEQUENCE: 15

W--> 215 **ntcatctttg gtgtt** 15

217 <210> SEQ ID NO: 16
218 <211> LENGTH: 15
219 <212> TYPE: DNA
220 <213> ORGANISM: Homo sapiens
222 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
224 <222> LOCATION: 1
225 <223> OTHER INFORMATION: n = thymine attached to a Cy5 label
227 <400> SEQUENCE: 16

W--> 228 **natcatcggt gtttc** 15

230 <210> SEQ ID NO: 17
231 <211> LENGTH: 15
232 <212> TYPE: DNA
233 <213> ORGANISM: Homo sapiens
235 <220> FEATURE:
236 <221> NAME/KEY: misc_feature
237 <222> LOCATION: 1
238 <223> OTHER INFORMATION: n = cytosine attached to a Cy5 label
240 <400> SEQUENCE: 17

W--> 241 **nactgccagg taagg** 15

243 <210> SEQ ID NO: 18
244 <211> LENGTH: 15
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
248 <220> FEATURE:
249 <221> NAME/KEY: misc_feature
250 <222> LOCATION: 1
251 <223> OTHER INFORMATION: n = cytosine attached to a Cy3 label
253 <400> SEQUENCE: 18

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/613,006

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TIME: 15:12:18

Input Set : A:\52949-20001.00.txt
Output Set: N:\CRF4\08222002\I613006.raw

W--> 254 nactgccggg taagg 15
 256 <210> SEQ ID NO: 19
 257 <211> LENGTH: 15
 258 <212> TYPE: DNA
 259 <213> ORGANISM: Homo sapiens
 261 <220> FEATURE:
 262 <221> NAME/KEY: misc_feature
 263 <222> LOCATION: 1
 264 <223> OTHER INFORMATION: n = cytosine attached to a Cy3 label
 266 <400> SEQUENCE: 19
 W--> 267 naactggaac cattg 15
 269 <210> SEQ ID NO: 20
 270 <211> LENGTH: 15
 271 <212> TYPE: DNA
 272 <213> ORGANISM: Homo sapiens
 274 <220> FEATURE:
 275 <221> NAME/KEY: misc_feature
 276 <222> LOCATION: 1
 277 <223> OTHER INFORMATION: n = cytosine attached to a Cy5 label
 279 <400> SEQUENCE: 20
 W--> 280 naactggac cattg 15
 282 <210> SEQ ID NO: 21
 283 <211> LENGTH: 15
 284 <212> TYPE: DNA
 285 <213> ORGANISM: Homo sapiens
 287 <220> FEATURE:
 288 <221> NAME/KEY: misc_feature
 289 <222> LOCATION: 1
 290 <223> OTHER INFORMATION: n = guanine attached to biotin
 292 <221> NAME/KEY: variation
 293 <222> LOCATION: 10 *n found at 9, but not at 10*
 294 <223> OTHER INFORMATION: n = a or t
 W--> 296 <400> 21
 W--> 297 nactcctgng gagaa 15
 299 <210> SEQ ID NO: 22
 300 <211> LENGTH: 15
 301 <212> TYPE: DNA
 302 <213> ORGANISM: Homo sapiens
 304 <220> FEATURE:
 305 <221> NAME/KEY: misc_feature
 306 <222> LOCATION: 1
 307 <223> OTHER INFORMATION: n = thymine attached to biotin
 309 <400> SEQUENCE: 22
 W--> 310 nggtggtaag gccct 15
 312 <210> SEQ ID NO: 23
 313 <211> LENGTH: 15
 314 <212> TYPE: DNA
 315 <213> ORGANISM: Homo sapiens
 317 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/613,006

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Input Set : A:\52949-20001.00.txt
Output Set: N:\CRF4\08222002\I613006.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1
Seq#:2; N Pos. 1
Seq#:3; N Pos. 1
Seq#:4; N Pos. 1
Seq#:5; N Pos. 1
Seq#:6; N Pos. 1
Seq#:7; N Pos. 1
Seq#:8; N Pos. 1
Seq#:9; N Pos. 1
Seq#:10; N Pos. 1
Seq#:11; N Pos. 1,9
Seq#:12; N Pos. 1,9
Seq#:13; N Pos. 1
Seq#:14; N Pos. 1
Seq#:15; N Pos. 1
Seq#:16; N Pos. 1
Seq#:17; N Pos. 1
Seq#:18; N Pos. 1
Seq#:19; N Pos. 1
Seq#:20; N Pos. 1
Seq#:21; N Pos. 1,9
Seq#:22; N Pos. 1
Seq#:23; N Pos. 1
Seq#:24; N Pos. 1
Seq#:25; N Pos. 1
Seq#:26; N Pos. 1,9
Seq#:27; N Pos. 1
Seq#:28; N Pos. 1
Seq#:29; N Pos. 1
Seq#:30; N Pos. 1

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/613,006

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Input Set : A:\52949-20001.00.txt
Output Set: N:\CRF4\08222002\I613006.raw

L:29 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:162 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:11
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:296 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:21
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:365 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:26
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0